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Education

Ph.D in Physical Oceanography, Florida State University,
Tallahassee, Florida, 1999.
M.Sc in Oceanography, University of Athens, 1992.
B.A. in Physics, University of Athens, 1989.

Professional Positions

2003-present Associate Research Scientist, Columbia U. and NASA-GISS, New York.
2001-2003 Postdoc Res Assoc., Courant Inst of Math Sciences, NYU, New York.
1999-2001 Postdoc Res Assoc., MPO RSMAS, University of Miami and
Los Alamos Nat Lab, Los Alamos, New Mexico.
1992-1999 Research Assistant and Graduate student, Dept. of Phys Oceanog,
Florida State University, Tallahassee, Florida.

Awards and Collaborations

NATO fellowship to attend Winter School on “Ocean Modeling and Parameterizations” in Les Houches, France, 1998.

Evaluation of surface solar irradiance in coupled climate models (NSF, 2004-2005).

Global analysis of ocean surface fluxes of heat and freshwater: satellite products, NWP analyses, and CMIP simulations, with Judith A. Curry Peter J. Webster, Emanuele Di Lorenzo and Carol Ann Clayson (Co-I Funded by NEWS-NASA, FY 2005-2010).

Implementation of the carbon cycle in the ocean. Coupling to biogeochemistry. CMAP -NASA, FY 2005-2010.

Media and Outreach

Press Release: Global “Sunscreen” has likely thinned (15-3-2007)
http://www.nasa.gov/centers/goddard/news/topstory/2007/aerosol_dimming.html

Publications

- Hansen, J. et. al., 2007: Climate simulations for 1880-2003 with GISS modelE. *Clim. Dynam.*, in press, doi:10.1007/s00382-007-0255-8.
- Hansen, J. et. al., 2007: Dangerous human-made interference with climate: A GISS modelE study. *Atmos. Chem. Phys.*, in press.
- Romanou, A., B. Liepert, G.A. Schmidt, W.B. Rossow, R.A. Ruedy, and Y.-C. Zhang, 2007: 20th Century changes in surface solar irradiance in simulations and observations. *Geophys. Res. Lett.*, 34, L05713, doi:10.1029/2006GL028356.
- Romanou, A., W.B. Rossow, and S.-H. Chou, 2006: Decorrelation scales of high resolution turbulent fluxes at the ocean-surface and a method to fill-in gaps in satellite data products. *J. Climate*, 19, 3378-3393, doi:10.1175/JCLI3773.1.
- Schmidt, G.A., et al., 2006: Present day atmospheric simulations using GISS ModelE: Comparison to in-situ, satellite and reanalysis data. *J. Climate*, 19, 153-192, doi:10.1175/JCLI3612.1.
- Hansen, J., et. al., 2005: Efficacy of climate forcings. *J. Geophys. Res.*, 110, D18104, doi:10.1029/2005JD005776.
- Liepert, B., and A. Romanou, 2005: Global dimming and brightening and the water cycle. *Bull. Amer. Meteorol. Soc.*, 86, 622-623.
- Weatherly, G.L., N. Wieders, and A. Romanou 2005. Intermediate-depth circulation in the Gulf of Mexico estimated from direct measurements. In *Circulation in the Gulf of Mexico: Observations and Models* (W. Sturges and A. Lugo-Fernandez, Eds.). AGU Geophysical Monograph 161, pp. 315-324. American Geophysical Union. Washington, D.C..
- J.Olascoaga , N. Idrisi and A. Romanou, 2005: Biophysical modeling of plankton dynamics in the Arabian Sea, *Ocean Modelling*, 8, 55-80.
- Romanou, A. and G.L. Weatherly, 2004: Numerical simulations of buoyant Ekman layers, part II: rectification in a zero-mean current and feedback to the interior circulation. *J. Phys. Oceanogr.*, 34, 1050-1066.
- Romanou, A. E. Chassignet and W. Sturges III, 2004: The Gulf of Mexico circulation within a high resolution numerical simulation of the North Atlantic Ocean. *J. Geophys. Res.*, 109, C1, C01003
- Romanou, A. and G. L. Weatherly, 2001: Numerical simulations of buoyant Ekman Layers in the presence of variable stratification: I. Constant interior forcing. *J. Phys. Oceanogr.*, 31, 3096-3120.